

Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1. (currently amended) An organic light emitting diode (OLED) display, comprising:
 - a) an array of OLED display light-emitting elements, each OLED display light-emitting element having two terminals;
 - b) a voltage sensing circuit for each OLED display light-emitting element in the display array including a transistor in each circuit connected to one of the terminals of a corresponding OLED display light-emitting element for sensing the voltage across the OLED display light-emitting element to produce feedback signals representing the voltage across the OLED display light-emitting elements in the display array; and
 - c) a controller responsive to the feedback signals for calculating a correction signal for each OLED display light-emitting element and applying the correction signal to data used to drive each OLED display light-emitting element to compensate for the changes in the output of each OLED display light-emitting element.
2. (original) The OLED display claimed in Claim 1, wherein the output of the OLEDs change with temperature, and further comprising a temperature sensor for generating a temperature signal and wherein the controller is also responsive to the temperature signal to calculate the correction signal.
3. (original) The OLED display claimed in Claim 1, wherein the controller further includes a lookup table having a correction signal for each of the OLEDs.
4. (original) The OLED display claimed in Claim 1, wherein the controller sequentially activates individual OLED to measure the voltage associated with each OLED element.

5. (original) The OLED display claimed in Claim 1, wherein the controller activates one or more OLED elements at a plurality of different brightness levels to calculate the correction signal.